

=> fil reg

~~FILE~~ REGISTRY ENTERED AT 10:29:28 ON 26 MAR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 MAR 2003 HIGHEST RN 500688-79-9
DICTIONARY FILE UPDATES: 25 MAR 2003 HIGHEST RN 500688-79-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d stat que l11

L1

X-Hy-G1-~~NO2~~-G2-G3
1 2 3 4 5 6 7

REP G1=(1-2) CH2

VAR G2=CH/N

VAR G3=NO2/CN

NODE ATTRIBUTES:

NSPEC IS R AT 4

NSPEC IS R AT 5

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M1 N AT 2

GRAPH ATTRIBUTES:

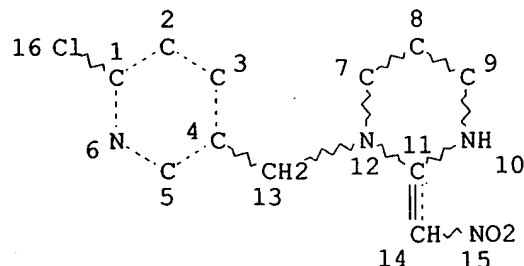
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L3 1296 SEA FILE=REGISTRY SSS FUL L1

L9 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

~~L11~~ 22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9

100.0% PROCESSED 125 ITERATIONS

122 ANSWERS

SEARCH TIME: 00.00.01

=> fil hcapl; d que nos 122

FILE 'HCAPLUS' ENTERED AT 10:29:29 ON 26 MAR 2003

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FILE COVERS 1907 - 26 Mar 2003 VOL 138 ISS 13

FILE LAST UPDATED: 25 Mar 2003 (20030325/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L9 STR
L11 22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L14 32 SEA FILE=HCAPLUS ABB=ON L11
L15 377 SEA FILE=HCAPLUS ABB=ON SIPHONAPTERA+NT/CT
L16 17 SEA FILE=HCAPLUS ABB=ON ANOPLURA?
L17 3183 SEA FILE=HCAPLUS ABB=ON FLEA# OR LICE OR LOUSE
L20 3258 SEA FILE=HCAPLUS ABB=ON PARASITICIDES+OLD/CT
L21 1193 SEA FILE=HCAPLUS ABB=ON ECTOPARASIT? OR PARASIT?(L) ECTO/OBI
122 3 SEA FILE=HCAPLUS ABB=ON L14 AND ((L15 OR L16 OR L17) OR (L20 OR L21))

=> fil uspatf; d que nos 131

FILE 'USPATFULL' ENTERED AT 10:29:29 ON 26 MAR 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 25 Mar 2003 (20030325/PD)

FILE LAST UPDATED: 25 Mar 2003 (20030325/ED)

HIGHEST GRANTED PATENT NUMBER: US6539548

HIGHEST APPLICATION PUBLICATION NUMBER: US2003056270

Searched by Barb O'Bryen, STIC 308-4291

CA INDEXING IS CURRENT THROUGH 25 Mar 2003 (20030325/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Mar 2003 (20030325/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2002
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2002

```
>>> USPAT2 is now available.  USPATFULL contains full text of the    <<<
>>> original, i.e., the earliest published granted patents or      <<<
>>> applications.  USPAT2 contains full text of the latest US      <<<
>>> publications, starting in 2001, for the inventions covered in   <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent           <<<
>>> publications.  The publication number, patent kind code, and   <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                       <<<

>>> USPATFULL and USPAT2 can be accessed and searched together    <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to      <<<
>>> enter this cluster.                                           <<<
>>>                                                                    <<<
>>> Use USPATALL when searching terms such as patent assignees,   <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.                        <<<
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This file contains CAS Registry Numbers for easy and accurate
substance identification.

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L1          STR
L3          1296 SEA FILE=REGISTRY SSS FUL L1
L9          STR
L11         22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L24         22 SEA FILE=USPATFULL ABB=ON  L11
L25         580 SEA FILE=USPATFULL ABB=ON  (FLEA# OR LICE OR LOUSE)/IT, TI, AB, CL
L26         1185 SEA FILE=USPATFULL ABB=ON  (PARASITICID? OR PARACITICID?)/IT, TI
L27         498 SEA FILE=USPATFULL ABB=ON  (ECTOPARASIT? OR PARASIT?(L) ECTO)/IT
L28         8 SEA FILE=USPATFULL ABB=ON  ANOPLURA?/IT, TI, AB, CLM
L29         84 SEA FILE=USPATFULL ABB=ON  SIPHONAPTERA?/IT, TI, AB, CLM
L30         52 SEA FILE=USPATFULL ABB=ON  CTENOCEPHALIDE?/IT, TI, AB, CLM
L31         7 SEA FILE=USPATFULL ABB=ON  L24 AND (L25 OR L26 OR L27 OR L28
OR L29 OR L30)
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=> fil biosis; d que nos 147

FILE 'BIOSIS' ENTERED AT 10:29:30 ON 26 MAR 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 19 March 2003 (20030319/ED)

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L1          STR
L3          1296 SEA FILE=REGISTRY SSS FUL L1
L9          STR
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L11 22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L47 0 SEA FILE=BIOSIS ABB=ON L11

=> fil vetu; d que nos 159

FILE 'VETU' ENTERED AT 10:29:31 ON 26 MAR 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE LAST UPDATED: 02 JAN 2002 <20020102/UP>
FILE COVERS 1983-2001

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L9 STR
L11 22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L59 0 SEA FILE=VETU ABB=ON L11

=> fil agricola; d que nos 158

FILE 'AGRICOLA' ENTERED AT 10:29:32 ON 26 MAR 2003

FILE COVERS 1970 TO 19 Feb 2003 (20030219/ED)

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L9 STR
L11 22 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L58 0 SEA FILE=AGRICOLA ABB=ON L11

=> dup rem 122,131

FILE 'HCAPLUS' ENTERED AT 10:29:33 ON 26 MAR 2003
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FILE 'USPATFULL' ENTERED AT 10:29:33 ON 26 MAR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
PROCESSING COMPLETED FOR L22
PROCESSING COMPLETED FOR L31

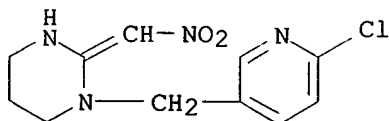
L60 10 DUP REM L22 L31 (0 DUPLICATES REMOVED)
ANSWERS '1-3' FROM FILE HCAPLUS
ANSWERS '4-10' FROM FILE USPATFULL

=> d ibib abs hitstr 1-10

L60 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:549118 HCAPLUS
DOCUMENT NUMBER: 131:181124

TITLE: Aqueous formulations for combating parasitic insects and acarina on humans
INVENTOR(S): Sirinyan, Kirkor; Horn, Karin; Stocker, Ronald Helmut; Sonneck, Rainer
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941987	A1	19990826	WO 1999-EP878	19990210
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 19807630	A1	19990826	DE 1998-19807630	19980223
CA 2321206	AA	19990826	CA 1999-2321206	19990210
AU 9925230	A1	19990906	AU 1999-25230	19990210
AU 739980	B2	20011025		
BR 9908197	A	20001024	BR 1999-8197	19990210
EP 1056342	A1	20001206	EP 1999-904877	19990210
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002503682	T2	20020205	JP 2000-532014	19990210
ZA 9901384	A	19990823	ZA 1999-1384	19990222
US 6369054	B1	20020409	US 2000-601572	20000803
PRIORITY APPLN. INFO.:			DE 1998-19807630 A	19980223
			WO 1999-EP878	W 19990210
OTHER SOURCE(S):	MARPAT 131:181124			
AB	The invention relates to aq. formulations for combating parasitic insects and acarina on the skin of human beings, having the following compn.: agonists or antagonists of nicotinic acetylcholine receptors of insects, such as imidacloprid, at 0.0001-7.5 wt. %; water, at 20-50 wt. %; acyclic alcs., at 20-50 wt. %; solvents from the group of cyclic carbonates or lactones, .5-20.0 wt. %; and, optionally, other adjuvants from the group of thickening agents, antioxidants, expanding agents, preserving agents, deposit builders and emulsifiers, at .gtoreq.30 wt. %.			
IT	101336-64-5			
RL:	BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (aq. ectoparasiticide formulation for humans)			
RN	101336-64-5	HCAPLUS		
CN	Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-(9CI) (CA INDEX NAME)			



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L60 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:549117 HCAPLUS

DOCUMENT NUMBER: 131:166526

TITLE: Aqueous formulations of animal
ectoparasitocides

INVENTOR(S): Sirinyan, Kirkor; Dorn, Hubert; Heukamp, Ulrich

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

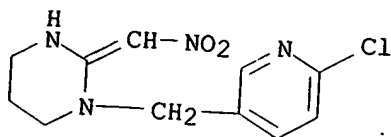
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941986	A1	19990826	WO 1999-EP875	19990210
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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CA 2321209	AA	19990826	CA 1999-2321209	19990210
AU 9926230	A1	19990906	AU 1999-26230	19990210
AU 750954	B2	20020801		
BR 9908173	A	20001031	BR 1999-8173	19990210
EP 1056343	A1	20001206	EP 1999-906223	19990210
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, LT, LV, FI, RO			
JP 2002503681	T2	20020205	JP 2000-532013	19990210
EE 200000485	A	20020215	EE 2000-200000485	19990210
NZ 506460	A	20030131	NZ 1999-506460	19990210
ZA 9901385	A	19990823	ZA 1999-1385	19990222
NO 2000004188	A	20001023	NO 2000-4188	20000822
PRIORITY APPLN. INFO.:			DE 1998-19807633 A	19980223
			WO 1999-EP875 W	19990210
OTHER SOURCE(S):	MARPAT 131:166526			
AB	The invention relates to aq. formulations for combating parasitic insects and acarina on the skin of animals, having the following compn.: (a) agonists or antagonists of nicotinic acetylcholine receptors of insects, at 1-20 wt. %; (b) water, at 2.5-15 wt. %; (c) solvents from the group of alcs., such as benzyl alc., tetrahydrofurfuryl alc. or optionally-substituted pyrrolidone, at .gtoreq.20 wt. %; (d) solvents from the group of the cyclic carbonates or lactones. at 5-50.0 wt. %; (e) optionally, other adjuvants from the group of the thickening agents, spreading agents, colorants, antioxidants, expanding agents, preserving agents, deposit builders and emulsifiers, at 0.025-10 wt. %.			
IT	101336-64-5			
RL:	BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)			
	(in aq. formulations of animal ectoparasitocides)			
RN	101336-64-5 HCAPLUS			
CN	Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-(9CI) (CA INDEX NAME)			



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L60 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:30055 HCAPLUS
 DOCUMENT NUMBER: 124:79467
 TITLE: Nonsystemic **ectoparasiticides**.
 INVENTOR(S): Dorn, Hubert; Hopkins, Terence
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Eur. Pat. Appl., 33 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 682869	A1	19951122	EP 1995-106925	19950508
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
DE 4417742	A1	19951123	DE 1994-4417742	19940520
CA 2149594	AA	19951121	CA 1995-2149594	19950517
IL 113756	A1	19991028	IL 1995-113756	19950517
FI 9502421	A	19951121	FI 1995-2421	19950518
AU 9520144	A1	19951130	AU 1995-20144	19950518
AU 696581	B2	19980917		
NO 9501993	A	19951121	NO 1995-1993	19950519
ZA 9504107	A	19960119	ZA 1995-4107	19950519
HU 71902	A2	19960228	HU 1995-1483	19950519
HU 220131	B	20011128		
JP 08092091	A2	19960409	JP 1995-144251	19950519
JP 3276808	B2	20020422		
RU 2166253	C2	20010510	RU 1995-107893	19950519
JP 2002201131	A2	20020716	JP 2001-386054	19950519
CZ 291031	B6	20021211	CZ 1995-1309	19950519
US 6232328	B1	20010515	US 1997-925372	19970908
US 2001021716	A1	20010913	US 2001-781108	20010209
US 6429206	B2	20020806		
US 2001027201	A1	20011004	US 2001-780646	20010209
US 2001041723	A1	20011115	US 2001-780918	20010209
US 6495573	B2	20021217		
US 2001044456	A1	20011122	US 2001-780783	20010209
US 6329374	B1	20011211	US 2001-781028	20010209
			DE 1994-4417742	A 19940520
			US 1995-440428	B1 19950512
			JP 1995-144251	A3 19950519
			US 1997-925372	A3 19970908

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

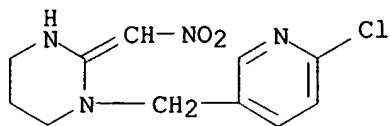
MARPAT 124:79467

AB Agonists and antagonists of nicotinic acetylcholine receptors (Markush given), such as imidacloprid, are nonsystemic **ectoparasiticides** for humans and animals, suitable for the control of fleas, lice and flies.

IT 101336-64-5

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (nonsystemic **ectoparasiticide**)

RN 101336-64-5 HCAPLUS
CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-
(9CI) (CA INDEX NAME)



L60 ANSWER 4 OF 10 USPATFULL

ACCESSION NUMBER: 2002:75429 USPATFULL

TITLE: Aqueous agents for combating parasitic insects and acarina in human beings

INVENTOR(S): Sirinyan, Kirkor, Gladbach, GERMANY, FEDERAL REPUBLIC OF
Horn, Karin, Solingen, GERMANY, FEDERAL REPUBLIC OF
Stocker, Ronald Helmut, Monheim, GERMANY, FEDERAL REPUBLIC OF
Sonneck, Rainer, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): Bayer AG, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6369054	B1	20020409
	WO 9941987		19990826
APPLICATION INFO.:	US 2000-601572		20000803 (9)
	WO 1999-EP878		19990210
			20000803 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19807630	19980223
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Pryor, Alton	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	585	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to water-containing formulations for the dermal control of parasitic insects and mites on humans, said formulations having the following composition:

a--agonists or antagonists of the nicotinic acetylcholine receptors of insects in a concentration of from 0.0001 to 7.5% by weight, based on the overall weight of the formulation;

b--water in a concentration of from 20 to 50% by weight, based on the overall weight of the formulation;

c--acyclic alcohols in a concentration of from 20 to 50% by weight, based on the overall weight of the formulation;

d--solvents from the group consisting of cyclic carbonates and lactones in a concentration of from 2.5 up to 20.0% by weight, based on the overall weight of the formulation;

e--optionally further auxiliaries from the group consisting of thickeners, spreading agents, colorants, antioxidants, propellants, preservatives, tackifiers, emulsifiers, in a concentration of from 0 up to 30% by weight, based on the overall weight of the formulation.

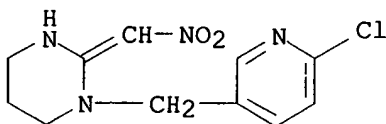
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(aq. ectoparasiticide formulation for humans)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-
(9CI) (CA INDEX NAME)



L60 ANSWER 5 OF 10 USPATFULL

ACCESSION NUMBER: 2001:212459 USPATFULL

TITLE: Non-systemic control of parasites

INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001044456	A1	20011122
APPLICATION INFO.:	US 2001-780783	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 220 East 42nd Street - 30th Floor, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1302	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergeric acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

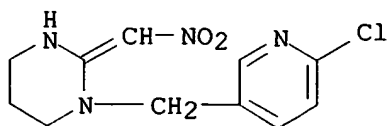
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(nonsystemic ectoparasiticide)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-
(9CI) (CA INDEX NAME)



L60 ANSWER 6 OF 10 USPATFULL

ACCESSION NUMBER: 2001:205930 USPATFULL
TITLE: Non-systemic control of parasites
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001041723	A1	20011115
	US 6495573	B2	20021217
APPLICATION INFO.:	US 2001-780918	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 220 East 42nd Street - 30th Floor, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1305	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinerbic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

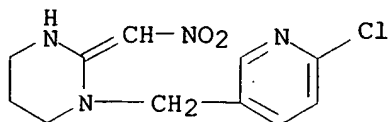
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(nonsystemic ectoparasiticide)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-(9CI) (CA INDEX NAME)



L60 ANSWER 7 OF 10 USPATFULL

ACCESSION NUMBER: 2001:171151 USPATFULL
TITLE: Non-systemic control of parasites
INVENTOR(S): Dorn, Hubert, Wuppertal, DE, United States
Hopkins, Terence, Tamborine, Australia

Searched by Barb O'Bryen, STIC 308-4291.

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001027201	A1	20011004
APPLICATION INFO.:	US 2001-780646	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 30th Floor, 220 East 42nd Street, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1286	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinerbic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as **fleas**, **lice** and flies, on humans and on animals.

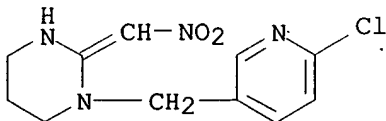
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(nonsystemic **ectoparasiticide**)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-(9CI) (CA INDEX NAME)



L60 ANSWER 8 OF 10 USPATFULL

ACCESSION NUMBER: 2001:155782 USPATFULL

TITLE: Non-systemic control of parasites

INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021716	A1	20010913
	US 6429206	B2	20020806
APPLICATION INFO.:	US 2001-781108	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 30th Floor, 220 East 42nd Street, New York, NY,	

10017
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 1347

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergeric acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

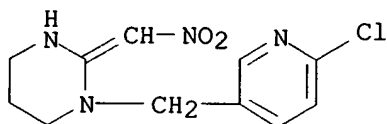
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(nonsystemic ectoparasiticide)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-(9CI) (CA INDEX NAME)



L60 ANSWER 9 OF 10 USPATFULL

ACCESSION NUMBER: 2001:226631 USPATFULL

TITLE: Non-systemic control of parasites

INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of
Hopkins, Terence, Qld., Australia

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6329374	B1	20011211
APPLICATION INFO.:	US 2001-781028		20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, now patented, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Norris McLaughlin & Marcus	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1243	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergeric acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

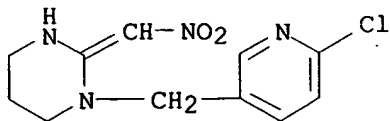
IT 101336-64-5

(nonsystemic ectoparasiticide)

RN 101336-64-5 USPATFULL

Searched by Barb O'Bryen, STIC 308-4291

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-
(9CI) (CA INDEX NAME)



L60 ANSWER 10 OF 10 USPATFULL

ACCESSION NUMBER: 2001:71563 USPATFULL
TITLE: Non-systemic control of parasites
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of
Hopkins, Terence, Tamborine, Australia
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6232328	B1	20010515
APPLICATION INFO.:	US 1997-925372		19970908 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Norris McLaughlin & Marcus	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1253	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinerbic acetylcholine
receptors of insects for the non-systemic control of parasitic insects,
such as fleas, lice and flies, on humans and on
animals.

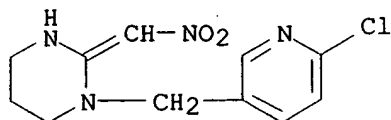
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 101336-64-5

(nonsystemic ectoparasiticide)

RN 101336-64-5 USPATFULL

CN Pyrimidine, 1-[(6-chloro-3-pyridinyl)methyl]hexahydro-2-(nitromethylene)-
(9CI) (CA INDEX NAME)



=> fil reg

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STRUCTURE FILE UPDATES: 25 MAR 2003 HIGHEST RN 500688-79-9

DICTIONARY FILE UPDATES: 25 MAR 2003 HIGHEST RN 500688-79-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

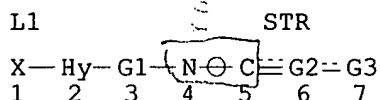
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d stat que 18



same full file search as before

REP G1=(1-2) CH2

VAR G2=CH/N

VAR G3=NO2/CN

NODE ATTRIBUTES:

NSPEC IS R AT 4

NSPEC IS R AT 5

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 2

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M1 N AT 2

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L3 1296 SEA FILE=REGISTRY SSS FUL L1

L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID

L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID

L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7):

structures containing

claim 10ⁿ

=> fil hcapl; d que nos 136; s 136 not 122

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FILE COVERS 1907 - 26 Mar 2003 VOL 138 ISS. 13
FILE LAST UPDATED: 25 Mar 2003 (20030325/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID
L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID
L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7)
L15 377 SEA FILE=HCAPLUS ABB=ON SIPHONAPTERA+NT/CT
L16 17 SEA FILE=HCAPLUS ABB=ON ANOPLURA?
L17 3183 SEA FILE=HCAPLUS ABB=ON FLEA# OR LICE OR LOUSE
L20 3258 SEA FILE=HCAPLUS ABB=ON PARASITICIDES+OLD/CT
L21 1193 SEA FILE=HCAPLUS ABB=ON ECTOPARASIT? OR PARASIT?(L)ECTO/OBI
L32 1367 SEA FILE=HCAPLUS ABB=ON L8
L33 56 SEA FILE=HCAPLUS ABB=ON L32 AND ((L15 OR L16 OR L17) OR (L20 OR L21))
L34 115984 SEA FILE=HCAPLUS ABB=ON DERMAL? OR TOPICAL? OR (SPOT OR POUR) OR SPOTON OR SHAMPOO?
L35 443 SEA FILE=HCAPLUS ABB=ON NONSYSTEM?
L36 15 SEA FILE=HCAPLUS ABB=ON L33 AND (L34 OR L35)

L61 14 L36 NOT L22 *previously printed*
=> fil uspatf; d que nos l39; s l39 not l31

FILE 'USPATFULL' ENTERED AT 10:31:28 ON 26 MAR 2003
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 25 Mar 2003 (20030325/PD)
FILE LAST UPDATED: 25 Mar 2003 (20030325/ED)
HIGHEST GRANTED PATENT NUMBER: US6539548
HIGHEST APPLICATION PUBLICATION NUMBER: US2003056270
CA INDEXING IS CURRENT THROUGH 25 Mar 2003 (20030325/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Mar 2003 (20030325/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2002
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2002

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
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L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID
L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID
L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7)
L25 580 SEA FILE=USPATFULL ABB=ON. (FLEA# OR LICE OR LOUSE)/IT, TI, AB, CL
M
L26 1185 SEA FILE=USPATFULL ABB=ON (PARASITICID? OR PARACITICID?)/IT, TI
, AB, CLM
L27 498 SEA FILE=USPATFULL ABB=ON (ECTOPARASIT? OR PARASIT?(L) ECTO)/IT
, TI, AB, CLM
L28 8 SEA FILE=USPATFULL ABB=ON ANOPLURA?/IT, TI, AB, CLM
L29 84 SEA FILE=USPATFULL ABB=ON SIPHONAPTERA?/IT, TI, AB, CLM
L30 52 SEA FILE=USPATFULL ABB=ON CTENOCEPHALIDE?/IT, TI, AB, CLM
L37 222 SEA FILE=USPATFULL ABB=ON L8
L38 37257 SEA FILE=USPATFULL ABB=ON (NONSYSYTEM? OR NON SYSTEM? OR
DERMAL? OR TOPICAL? OR (SPOT OR POUR) OR SPOTON OR SHAMPOO?)/IT
, TI, AB, CLM
L39 13 SEA FILE=USPATFULL ABB=ON L37 AND (L25 OR L26 OR L27 OR L28
OR L29 OR L30) AND L38

L62

6 L39 NOT

(L31) *previously
printed*

=> fil biosis; d que nos 146

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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 19 March 2003 (20030319/ED)

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID
L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID
L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7)
L40 1146 SEA FILE=BIOSIS ABB=ON L8
L41 4332 SEA FILE=BIOSIS ABB=ON (ECTOPARASIT? OR PARASIT?(2A) ECTO)
L42 4957 SEA FILE=BIOSIS ABB=ON ANOPLURA? OR SIPHONAPTERA?
L43 510 SEA FILE=BIOSIS ABB=ON CTENOCEPHALIDE?
L44 6467 SEA FILE=BIOSIS ABB=ON (FLEA# OR LICE OR LOUSE)
L45 81132 SEA FILE=BIOSIS ABB=ON (NONSYSYTEM? OR NON SYSTEM? OR DERMAL?)

Searched by Barb O'Bryen, STIC 308-4291

OR TOPICAL? OR (SPOT OR POUR) OR SPOTON OR SHAMPOO?)
L46 20 SEA FILE=BIOSIS ABB=ON L40 AND (L41 OR L42 OR L43 OR L44) AND
L45

=> fil vetu; d que nos 148

FILE 'VETU' ENTERED AT 10:31:30 ON 26 MAR 2003
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FILE LAST UPDATED: 02 JAN 2002 <20020102/UP>
FILE COVERS 1983-2001

L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID
L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID
L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7)
L48 8 SEA FILE=VETU ABB=ON L8

=> fil agricola; d que nos 157

FILE 'AGRICOLA' ENTERED AT 10:31:31 ON 26 MAR 2003

FILE COVERS 1970 TO 19 Feb 2003 (20030219/ED)

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L1 STR
L3 1296 SEA FILE=REGISTRY SSS FUL L1
L4 925534 SEA FILE=REGISTRY ABB=ON 46.156.30/RID
L7 467491 SEA FILE=REGISTRY ABB=ON 16.299/RID
L8 1276 SEA FILE=REGISTRY ABB=ON L3 AND (L4 OR L7)
L51 416 SEA FILE=AGRICOLA ABB=ON L8
L52 1555 SEA FILE=AGRICOLA ABB=ON (ECTOPARASIT? OR PARASIT?(2A) ECTO)
L53 1426 SEA FILE=AGRICOLA ABB=ON ANOPLURA? OR SIPHONAPTERA?
L54 372 SEA FILE=AGRICOLA ABB=ON CTENOCEPHALIDE?
L55 3467 SEA FILE=AGRICOLA ABB=ON (FLEA# OR LICE OR LOUSE)
L56 15582 SEA FILE=AGRICOLA ABB=ON (NONSYSYTEM? OR NON SYSTEM? OR
DERMAL? OR TOPICAL? OR (SPOT OR POUR) OR SPOTON OR SHAMPOO?)
L57 21 SEA FILE=AGRICOLA ABB=ON L51 AND (L52 OR L53 OR L54 OR L55)
AND L56

=> dup rem 161,162,148,157,146

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PROCESSING COMPLETED FOR L61
PROCESSING COMPLETED FOR L62
PROCESSING COMPLETED FOR L48
PROCESSING COMPLETED FOR L57
PROCESSING COMPLETED FOR L46

L64 48 DUP REM L61 L62 L48 L57 L46 (21 DUPLICATES REMOVED)
ANSWERS '1-14' FROM FILE HCAPLUS
ANSWERS '15-20' FROM FILE USPATFULL
ANSWERS '21-26' FROM FILE VETU
ANSWERS '27-41' FROM FILE AGRICOLA
ANSWERS '42-48' FROM FILE BIOSIS

=> d ibib abs hitstr 1-20; d iall 21-48

L64 ANSWER 1 OF 48 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
ACCESSION NUMBER: 2002:111823 HCAPLUS
DOCUMENT NUMBER: 136:290510
TITLE: Laboratory evaluation of fipronil and imidacloprid
topical insecticides for control of the plague
vector *Oropsylla montana* (Siphonaptera:
Ceratophyllidae) on California ground squirrels
(Rodentia: Sciuridae)
AUTHOR(S): Metzger, Marco E.; Rust, Michael K.
CORPORATE SOURCE: Department of Entomology, University of California,
Riverside, CA, 92521-0314, USA
SOURCE: Journal of Medical Entomology (2002), 39(1), 152-161
CODEN: JMENA6; ISSN: 0022-2585
PUBLISHER: Entomological Society of America
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Two insecticides, fipronil and imidacloprid, were evaluated for efficacy and longevity against *Oropsylla montana* (Baker), the most important vector of plague in California. Wild-caught California ground squirrels, *Spermophilus beecheyi* (Richardson), were individually housed in the lab. to serve as natural hosts to *O. montana* and for on-animal insecticide trials. Several concns. of tech. grade fipronil and imidacloprid in acetone were applied to samples of clean rodent bedding to det. residual activity and longevity against **fleas**. Immature and adult cat **fleas**, *Ctenocephalides felis* (Bouche), were used as representative **fleas** for periodic assays in place of less fecund *O. montana*. Toxicity of treated bedding did not decrease significantly for 1 yr at all applied concns. Fipronil provided 100% kill for at least 1 yr at .gtoreq. 100 ppm, whereas imidacloprid required 10,000 ppm for similar performance. Lab. squirrels were treated with **topical** formulations of fipronil (Frontline Top **Spot**) and imidacloprid (Advantage **Flea** Adulticide) at a dosage rate of 15 mg/kg and evaluated for residual activity every 2 wk against adult *O. montana*. Residual activity was detd. by percent recovery of *O. montana* adults released on treated and untreated animals after 48 h. Frontline provided 100% kill of adult **fleas** for at least 10 wk, and up to 26 wk on one animal. Advantage failed to provide 100% kill of adult **fleas** at 2 wk, with complete loss of efficacy by week 6. Concurrent assays with bedding samples from squirrel nest boxes showed negligible toxicity transfer from treated animals to nest bedding.

IT 138261-41-3, Imidacloprid